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**1 Answering aggregate keyword queries on relational databases using**
[Bin Zhou, Jian Pei](#)

 March 2009 **EDBT '09: Proceedings of the 12th International Conference on Advances in Database Technology**
**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (581.69 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 98, Download

Keyword search has been recently extended to relational databases to r attributes. However, all the existing methods focus on finding individual keywords from one table or the join of multiple ...

**2 First-order complete and computationally complete query languages**
[Floris Geerts, Sofie Haesevoets, Bart Kuijpers](#)

 March 2008 **Transactions on Computational Logic (TOCL)** , Volume 9 Issue

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (420.91 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 214, Downloa

We address a fundamental question concerning spatio-temporal databa: temporal queries&quest;" We define spatio-temporal queries to be com generic, meaning that the result ...

**Keywords:** Constraint databases, moving objects, query languages, sp databases

**3 Confidence bounds for sampling-based group by estimates**
[Fei Xu, Christopher Jermaine, Alin Dobra](#)

 August 2008 **Transactions on Database Systems (TODS)** , Volume 33 Issue

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (1.52 MB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 71, Downloa

Sampling is now a very important data management tool, to such an ex sampling is included in the latest SQL standard. In this article we recon: like a very simple problem—computing ...

**Keywords:** Approximate query processing, multiple hypothesis testing,

#### 4 Stacked indexed views in microsoft SQL server



David DeHaan, Per-Ake Larson, Jingren Zhou

June 2005 **SIGMOD '05**: Proceedings of the 2005 ACM SIGMOD international conference on database management systems

**Publisher:** ACM Request Permissions

Full text available: Pdf (690.47 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 40, Downloads (Since Published): 40

Appropriately selected materialized views (also called *indexed* views) can be of great magnitude. Most database systems limit support for materialized views to a group-by, ...

#### 5 Time and space optimization for processing groups of multi-dimensional queries



Suresh Aravamudan, Henrique Andrade, Alan Sussman

June 2004 **ICSE '04**: Proceedings of the 18th annual international conference on software engineering

**Publisher:** ACM Request Permissions

Full text available: Pdf (246.93 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 21, Downloads (Since Published): 21

Data analysis applications in areas as diverse as remote sensing and telecommunications processing very large datasets. For such applications to execute efficiently, the storage, retrieval, and manipulation ...

**Keywords:** multi-query optimization, scientific databases

#### 6 Extending the constraint database framework



Dina Goldin, Ayfer Kutlu, Mingjun Song

June 2003 **PCK50**: Proceedings of the Paris C. Kanellakis memorial workshop on knowledge: Paris C. Kanellakis memorial workshop on the occasion of the 50th birthday of Paris C. Kanellakis

**Publisher:** ACM

Full text available: Pdf (605.14 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 18, Downloads (Since Published): 18

*Constraint Databases* (CDBs) are an extension of relational databases to a model and the relational query primitives with constraints. By providing infinite semantics, the Constraint ...

**Keywords:** constraint databases, constraint query languages, database languages

#### 7 Supporting ranking and clustering as generalized order-by and group-by



Chengkai Li, Min Wang, Liping Wang, Haixun Wang, Kevin Chen, Chuan Chen

June 2007 **SIGMOD '07**: Proceedings of the 2007 ACM SIGMOD international conference on database management systems

**Publisher:** ACM Request Permissions

Full text available: Pdf (412.55 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 126, Downl


The Boolean semantics of SQL queries cannot adequately capture the "f required in non-traditional data retrieval applications. One way to solve "information retrieval" into ...

**Keywords:** clustering, data exploration, grouping, query processing, ra

## 8 Ranking objects based on relationships

 Kaushik Chakrabarti, Venkatesh Ganti, Jiawei Han, Dong Xin  
June 2006 **SIGMOD '06**: Proceedings of the 2006 ACM SIGMOD internati  
data

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (278.59 KB)


Additional Information: full citation, abstrac

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 130, Downl

In many document collections, documents are related to objects such as described in the document, or persons referred to in the document. In r these objects that best match a set of keywords. ...

**Keywords:** aggregation, early termination, keyword search, named ent  
queries

## 9 Keyword search for data-centric XML collections with long text fields

 Arash Termehchy, Marianne Winslett  
March 2010 **EDBT '10**: Proceedings of the 13th International Conference o

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (871.37 KB)

Additional Information: full citation, abstrac


**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 16, Downlo

Users who are unfamiliar with database query languages can search XM Current approaches for supporting such queries are either for text-centr simple and long text fields predominate; ...

## 10 Object-based and image-based object representations

 Hanan Samet  
June 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 2

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (1.05 MB)

Additional Information: full citation, abstrac

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 309, Downl

An overview is presented of object-based and image-based representati representations are distinguished by the manner in which they can be u queries in database applications: (1) Feature ...

**Keywords:** Access methods, R-trees, feature query, geographic inform location query, object space, octrees, pyramids, quadtrees, space-filling

**11** [Pattern based processing of XPath queries](#)


Gerard Marks, Mark Roantree

September 2008 **IDEAS '08**: Proceedings of the 2008 international sympos applications**Publisher:** ACMFull text available:  Pdf (390.21 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 54, Downloads

As the popularity of areas including document storage and distributed systems for high performance XML databases is increasingly evident. This has led to aimed at exploiting the maturity of relational ...

**Keywords:** XML storage, XPath optimisation, mapping techniques, pattern**12** [Efficiently querying rdf data in triple stores](#)



Ying Yan, Chen Wang, Aoying Zhou, Weining Qian, Li Ma, Yue Pan

April 2008 **WWW '08**: Proceeding of the 17th international conference on **Publisher:** ACMFull text available:  Pdf (263.91 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 101, Downloads

Efficiently querying RDF data is being an important factor in applying Semantic applications. In this context, many efforts have been made to store and using particular schemas. In ...

**Keywords:** graph partitioning, indexing, rdf, signature**13** [Controlled natural language interfaces \(extended abstract\): the best](#)

Eva-Martin Mueckstein

March 1985 **CSC '85**: Proceedings of the 1985 ACM thirteenth annual conference **Publisher:** ACM Full text available:  Pdf (267.73 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 24, Downloads

This paper will discuss the problem of designing user-friendly interfaces particular, we will describe an interface that is based on mapping formal and structured way. The basic approaches ...

**14** [The space station information system and software support environment](#)

C. W. Pittman

April 1988 **ICSE '88**: Proceedings of the 10th international conference on **Publisher:** IEEE Computer Society PressAdditional Information: [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads


The Space Station will be a large, permanent, multi-purpose facility with up to eight people. It will consist of four habitable modules and a truss require human involvement can ...

### Efficient computation of multiple group by queries

Zhimin Chen, Vivek Narasayya

June 2005 **SIGMOD '05**: Proceedings of the 2005 ACM SIGMOD international conference on Management of data

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (371.92 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 52, Downloads (Since Published): 52


Data analysts need to understand the quality of data in the warehouse. Group By queries on the sets of columns of interest. Since the volume of data is large, and tables in a data warehouse often ...

### 16 Estimating the selectivity of approximate string queries

 Arturas Mazeika, Michael H. Böhlen, Nick Koudas, Divesh Srivastava

June 2007 **Transactions on Database Systems (TODS)**, Volume 32 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (364.78 KB)


[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 112, Downloads (Since Published): 112

Approximate queries on string data are important due to the prevalence of approximate string data. We present the VSol estimator, a selectivity of approximate string ...


**Keywords:** Inverse strings, min-wise hash signatures, q-grams

### 17 Obfuscated databases and group privacy

 Arvind Narayanan, Vitaly Shmatikov

November 2005 **CCS '05**: Proceedings of the 12th ACM conference on Computer and Communications Security

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (239.03 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 61, Downloads (Since Published): 61

We investigate whether it is possible to encrypt a database and then give access to the data in a restricted way. In contrast to conventional encryption, we prevent any access to individual ...


**Keywords:** database privacy, obfuscation

### 18 Sample synopses for approximate answering of group-by queries

 Philipp Bösch, Wolfgang Lehner

March 2009 **EDBT '09**: Proceedings of the 12th International Conference on Database Theory and Advances in Database Technology

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (500.78 KB)


[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 50, Downloads (Since Published): 50


With the amount of data in current data warehouse databases growing continuously, it is becoming increasingly important to gain insight into the data. In particular, interactive analyses of ...

from the significantly shorter response times ...

### 19 [Compressing tags to find interesting media groups](#)

 Matthijs van Leeuwen, Francesco Bonchi, Þórkur Sigurbjörnsson, Arno Sie  
November 2009 **CIKM '09: Proceeding of the 18th ACM conference on Inform**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (601.26 KB)


**Additional Information:** full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 64, Downlo


On photo sharing websites like Flickr and Zoomr, users are offered the uploaded pictures. Using these tags to find interesting groups of semantic of a given query is a problem ...

**Keywords:** compression, tags

### 20 [SmartStore: a new metadata organization paradigm with semantic-aware systems](#)

 Yu Hua, Hong Jiang, Yifeng Zhu, Dan Feng, Lei Tian  
November 2009 **SC '09: Proceedings of the Conference on High Performance Analysis**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (443.59 KB)

**Additional Information:** full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 32, Downloads (12 Months): 130, Downl

Existing storage systems using hierarchical directory tree do not meet requirements for exponentially growing datasets and increasingly complex with billions of files. This paper proposes ...

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